

WORLD TRADE CENTER  
CONTRACT NO. 3

ENGINEERING DEPARTMENT  
DESIGN DIVISION  
WORLD TRADE CENTER  
CONTRACT NO. 3

1 8/23/99 AS-BID  
No. Date Revision Approved

ENGINEERING DEPARTMENT  
DESIGN DIVISION

WORLD  
TRADE  
CENTER

ELECTRICAL

Title  
FIRE ALARM SYSTEM  
DEVICE UPGRADE  
PHASE III  
1 WORLD TRADE CENTER  
CONTRACT NO. 3

49th FLOOR  
STROBE  
INSTALLATION AND  
REMOVAL PLAN

This drawing subject to conditions in Contract. All  
inventions, ideas, designs and methods herein are  
reserved to Port Authority and may not be used  
without its written consent.

S. FELDSTEIN E. KOTSKI A.S.  
Designed by Drawn by Checked by

AUGUST 9, 1999  
Date

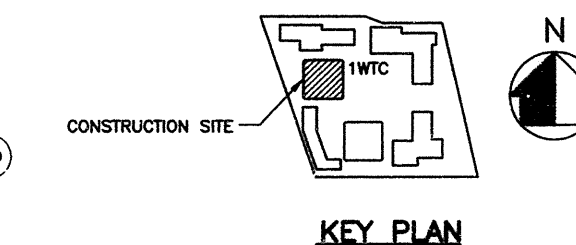
WTC-861.176 E-049-4  
Contract Number Drawing Number

# NOTES

1. FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES, SEE DWG. E-1.  
FOR INSTALLATION DETAILS, SEE DWG. E-2. FOR WIRING DIAGRAMS,  
SEE DWG. E-3.
2. REPLACE EXISTING STROBE WITH THE SHOWN CANDELA RATED STROBE,  
AND REWIRE AS SHOWN. EXISTING BACKBOX AND CONDUIT STUB CAN  
BE UTILIZED IF IT IS SIMILAR TO THE TYPICAL STROBE OR COMBINATION  
BOX. SEE INSTALLATION DETAIL "B" ON DWG. E-2.
3. ONLY AFTER INSTALLED STROBES ARE TESTED AND OPERATIONAL,  
SHALL CONTRACTOR REMOVE EXISTING STROBE IN THE PRESENCE OF  
THE ENGINEER. PATCH WALL TO MATCH EXISTING WALL FINISH.
4. SINCE FIRE ALARM CIRCUIT LENGTH IS CRITICAL, ROUTING AND  
INSTALLATION OF ALL FIRE ALARM CIRCUITS SHALL BE AS SHOWN  
ON DRAWING.
5. DISCONNECT AND ABANDON EXISTING STROBE CIRCUITS IN CEILING.  
TAPE ENDS OF ABANDONED CONDUCTORS AND TAG AS ABANDONED.  
THIS WORK SHALL BE DONE IN THE PRESENCE OF THE ENGINEER.

## STROBE CIRCUIT/LOADING TABLE

STROBE TYPE AND RATING	TYPE	15cd	30cd	75cd	110cd	CURRENT PER CIRCUIT (AMPS.)	CIRCUIT LENGTH (ft.)
	CURRENT IN AMPS (A)	0.063	0.100	0.165	0.209		
QUANTITY OF STROBES PER CIRCUIT	STR-A	6	0	2	1	0.917	33
	STR-B	4	2	1	0	0.617	24
	STR-C	11	1	1	0	0.958	41
	STR-D	8	1	1	0	0.769	34
	STR-E	3	0	2	2	0.937	42
	STR-F	8	2	1	0	0.869	35
GRAND TOTAL						5.067	212



0 12 24  
SCALE IN FEET

